

image with the real structure of the reference object in the image processing device, and
are greatly reduced or essentially compensated for by calibration of the filter, and

whereby the image defects are compensated for by maintaining the calibration in
the image mode, even in the event of a change in the ambient influences.

Claim 39: Apparatus according to claim 8, characterized in that the apparatus is
set up for automatically calibrating the filter during the image mode.

Claim 40: Apparatus according to claim 8, characterized in that the apparatus is a
light microscope or a transmission electron microscope, the first signal also being
determined from the temporal displacement that is determined.

Claim 41: Apparatus according to claim 15, characterized in that the apparatus is
a light microscope or a transmission electron microscope, the first signal also being
determined from the temporal displacement that is determined.

Remarks

This Preliminary Amendment removes multiple dependencies in the claims.

Please calculate the Filing Fee according to this Preliminary Amendment.

Respectfully submitted,

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